

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method of finding, in response to entry by a user of a user input recognized as a resource identity signifier, a single, intended target resource [intended by the user to uniquely correspond to the resource identity signifier, among a plurality of resources available on a network comprising a plurality of interconnected computers, the method for use on a finder server having access to: (a) a database storing database information including (i) an index of the available resources; and (ii) multi-user feedback gathered from a plurality of users with respect to the results of previous executions of the method and (b) a learning system structured to access and learn from the database information], the method comprising the steps of:
 - receiving a user input;
 - recognizing the user input as a resource identity signifier, wherein the resource identity signifier is independent of registered elements contained in a resource locator identifying at least one of a plurality of resources available on the network;
 - accessing, by a finder server responsive to the user input, database information that includes an index of available resources on a network, wherein the network comprises a plurality of interconnected computers, wherein some of the plurality of resources are identified by resource locators containing registered elements;
 - learning a social usage of the resource identity signifier from multi-user feedback gathered from a plurality of users with respect to previous results by the finder server;
 - and

[accessing the database to determine, based on the database information including the multi-user feedback,] determining which, if any, of the indexed resources is likely to be the intended target resource that uniquely corresponds to the recognized resource identity signifier based on the social usage of the recognized resource identity signifier without regard to identification in the recognized resource identity signifier of registered elements in any resource locator corresponding to the resource]; and
learning from the database information via the learning system wherein the learning provides distinct weight to the multi-user feedback].

4. (Previously Presented) A method according to Claim 3, wherein, if none of the indexed resources has an associated confidence level of at least the predetermined level, the method further comprises the step of:

presenting the user with a list of one or more links to possible resources, the list being ordered according to confidence level, with a resource having a highest confidence level being ranked highest.

5. (Previously Presented) A method according to Claim 3, wherein the method further comprises the steps of:

in a first user interface element:

causing a computer of the user to connect to a URL of an indexed resource having a highest confidence level; and

in a second user interface element:

presenting the user with a list of one or more links to possible resources, the list being ordered according to confidence level, with a resource having a highest confidence level being ranked highest.

6. (Currently Amended) A method of finding, in response to entry by a user of a user input recognized as a resource identity signifier, a single, intended target resource [intended by the user to uniquely correspond to the resource identity signifier, among a plurality of resources available on a network comprising a plurality of interconnected computers, the method for use on a finder server having access to: (a) a database storing database information including (i) an index of the available resources; and (ii) multi-user feedback gathered from a plurality of users with respect to the results of previous executions of the method and (b) a learning system structured to access and learn from the database information], the method comprising the steps of:

receiving a user input;

recognizing the user input as a resource identity signifier, wherein the resource identity signifier is independent of registered elements contained in a resource locator identifying at least one of a plurality of resources available on the network;

accessing, by a finder server responsive to the user input, database information that includes an index of available resources on a network, wherein the network comprises a plurality of interconnected computers, wherein some of the plurality of resources are identified by resource locators containing registered elements;

learning a social usage of the resource identity signifier from multi-user feedback gathered from a plurality of users with respect to previous results by the finder server;

[accessing the database to determine, based on the database information including the multi-user feedback,] determining which, if any, of the indexed resources is likely to be the intended target resource that uniquely corresponds to the recognized resource identity signifier based on the social usage of the recognized resource identity signifier without regard to identification in the recognized resource identity signifier of registered elements in any resource locator corresponding to the resource, wherein a resource is determined[, at the accessing step,] as likely to be the intended target resource if the database information indicates that a confidence level associated with that resource is of at least a predetermined level, and wherein, if none of the indexed resources has an associated confidence level of at least the predetermined level;

presenting the user with a list of one or more links to possible resources, the list being ordered according to confidence level, with a resource having a highest confidence level being ranked highest;

enabling the user to select [selecting] a link from the list of one or more links;

adding information regarding the selection of the link to the feedback information stored in the database;

soliciting user feedback with regard to the selected link; and,

if the user indicates that the selected link is the intended target resource of the resource identity signifier, updating the database information so as to increase the confidence level associated with a mapping between the resource identity signifier and an address of the selected link, and, if the user indicates that the selected link is not the intended target resource of the resource identity signifier, updating the database

information so as to decrease the confidence level associated with the mapping between the resource identity signifier and the address of the selected link.

7. (Currently Amended) A method of finding, in response to entry by a user of a user input recognized as a resource identity signifier, a single, intended target resource [intended by the user to uniquely correspond to the resource identity signifier, among a plurality of resources available on a network comprising a plurality of interconnected computers, the method for use on a finder server having access to: (a) a database storing database information including (i) an index of the available resources; and (ii) multi-user feedback gathered from a plurality of users with respect to the results of previous executions of the method and (b) a learning system structured to access and learn from the database information], the method comprising the steps of:

receiving a user input;

recognizing the user input as a resource identity signifier, wherein the resource identity signifier is independent of registered elements contained in a resource locator identifying at least one of a plurality of resources available on the network;

accessing, by a finder server responsive to the user input, database information that includes an index of available resources on a network, wherein the network comprises a plurality of interconnected computers, wherein some of the plurality of resources are identified by resource locators containing registered elements;

learning a social usage of the resource identity signifier from multi-user feedback gathered from a plurality of users with respect to previous results by the finder server;

[accessing the database to determine, based on the database information including the multi-user feedback,] determining which, if any, of the indexed resources is likely to be the intended target resource that uniquely corresponds to the recognized resource identity signifier based on the social usage of the recognized resource identity signifier without regard to identification in the recognized resource identity signifier of registered elements in any resource locator corresponding to the resource;

causing a computer of the user to connect to the determined intended target resource, if any;

soliciting user feedback with regard to the determined intended target resource to which the user's computer was connected in the directing step; and,

if the user indicates that the determined intended target resource to which the user's computer was connected is the intended target resource of the resource identity signifier, updating the database information so as to increase a confidence level associated with a mapping between the resource identity signifier and an address of the determined intended target resource to which the user's computer was connected, and, if the user indicates that the resource to which the user's computer was connected is not the intended target resource of the resource identity signifier, updating the database information so as to decrease the confidence level associated with the mapping between the resource identity signifier and the address of the determined intended target resource to which the user's computer was connected.

8. (Currently Amended) An apparatus comprising a finder server [having access to:
- (a) a database storing database information including:
 - (i) an index of a plurality of resources available on a network of interconnected computers on which a plurality of resources reside; and
 - (ii) multi-user feedback gathered from a plurality of users with respect to the results of previous operations of the apparatus; and
 - (b) a learning system operable to access and learn from the database information, wherein the finder server is] operable to locate, in response to entry by the user of a user input recognized as a resource identity signifier, a single, intended target resource intended by the user to uniquely correspond to the resource identity signifier, among the available resources, by:
 - receiving a user input;
 - recognizing the user input as a resource identity signifier, wherein the resource identity signifier is independent of registered elements contained in a resource locator identifying at least one of a plurality of resources available on the network;
 - accessing, by the finder server responsive to the user input, database information that includes the index of available resources, wherein some of the plurality of resources are identified by resource locators containing registered elements;
 - learning a social usage of the resource identity signifier from the multi-user feedback gathered from a plurality of users with respect to previous results by the finder server; and

[accessing the database to determine, based on the database information including the multi-user feedback,] determining which, if any, of the indexed resources is likely to be the intended target resource that uniquely corresponds to the recognized resource identity signifier based on the social usage of the recognized resource identity signifier without regard to identification in the recognized resource identity signifier of registered elements in any resource locator corresponding to the resource]; and learning from the database information via the learning system wherein the learning provides distinct weight to the multi-user feedback].

9. (Canceled)

10. (Previously Presented) An apparatus according to Claim 8, wherein a resource is determined to be the intended target resource if the database information indicates that a confidence level associated with that resource is of at least a predetermined level.

11. (Previously Presented) An apparatus according to Claim 10, wherein the apparatus is operable to, if none of the indexed resources has an associated confidence level of at least the predetermined level, present the user with a list of one or more links to possible resources, the list being ordered according to confidence level, with a resource having a highest confidence level being ranked highest.

12. (Previously Presented) An apparatus according to Claim 10, wherein the apparatus is further operable to:

in a first user interface element:

cause a computer of the user to connect to a URL of an indexed resource having a highest confidence level; and

in a second user interface element:

present the user with a list of one or more links to possible resources, the list being ordered according to confidence level, with a resource having a highest confidence level being ranked highest.

13. (Currently Amended) An apparatus comprising a finder server [having access to:

(a) a database storing database information including:

(i) an index of a plurality of resources available on a network of interconnected computers on which a plurality of resources reside; and

(ii) multi-user feedback gathered from a plurality of users with respect to the results of previous operations of the apparatus; and

(b) a learning system operable to access and learn from the database information, wherein the finder server is] operable to locate, in response to entry by the user of a user input recognized as a resource identity signifier, a single, intended target resource intended by the user to uniquely correspond to the resource identity signifier, among the available resources, by:

receiving a user input;

recognizing the user input as a resource identity signifier, wherein the resource identity signifier is independent of registered elements contained in a resource locator identifying at least one of a plurality of resources available on the network;

accessing, by the finder server responsive to the user input, database information that includes the index of available resources, wherein some of the plurality of resources are identified by resource locators containing registered elements;

learning a social usage of the resource identity signifier from the multi-user feedback gathered from a plurality of users with respect to previous results by the finder server; and

[accessing the database to determine, based on the database information including the multi-user feedback,] determining which, if any, of the indexed resources is likely to be the intended target resource that uniquely corresponds to the recognized resource identity signifier based on the social usage of the recognized resource identity signifier without regard to identification in the recognized resource identity signifier of registered elements in any resource locator corresponding to the resource, wherein a resource is determined to be the intended target resource if the database information indicates that a confidence level associated with that resource is of at least a predetermined level, and wherein the apparatus is operable to, if none of the indexed resources has an associated confidence level of at least the predetermined level, present the user with a list of one or more links to possible resources, the list being ordered according to confidence level, with a resource having a highest confidence level being ranked highest; and wherein the apparatus is operable to:

enable the user to select a link from the list of one or more links;

add information regarding the selection of the link to the feedback information stored in the database;

solicit user feedback with regard to the selected link; and,

if the user indicates that the selected link is the intended target resource of the resource identity signifier, updating the database information so as to increase the confidence level associated with a mapping between the resource identity signifier and an address of the selected link, and, if the user indicates that the selected link is not the intended target resource of the resource identity signifier, updating the database information so as to decrease the confidence level associated with the mapping between the resource identity signifier and the address of the selected link.

14. (Currently Amended) An apparatus comprising a finder server [having access to:

(a) a database storing database information including:

(i) an index of a plurality of resources available on a network of interconnected computers on which a plurality of resources reside; and

(ii) multi-user feedback gathered from a plurality of users with respect to the results of previous operations of the apparatus; and

(b) a learning system operable to access and learn from the database information, wherein the finder server is] operable to locate, in response to entry by the user of a user input recognized as a resource identity signifier, a single, intended target resource intended by the user to uniquely correspond to the resource identity signifier, among the available resources, by:

receiving a user input;

recognizing the user input as a resource identity signifier, wherein the resource identity signifier is independent of registered elements contained in a resource locator identifying at least one of a plurality of resources available on the network;

accessing, by the finder server responsive to the user input, database information that includes the index of available resources, wherein some of the plurality of resources are identified by resource locators containing registered elements;

learning a social usage of the resource identity signifier from the multi-user feedback gathered from a plurality of users with respect to previous results by the finder server; and

[accessing the database to determine, based on the database information including the multi-user feedback,] determining which, if any, of the indexed resources is likely to be the intended target resource that uniquely corresponds to the recognized resource identity signifier based on the social usage of the recognized resource identity signifier without regard to identification in the recognized resource identity signifier of registered elements in any resource locator corresponding to the resource, wherein the finder server is further operable to cause a computer of the user to connect to the determined intended target resource, if any, wherein the apparatus is further operable to:

solicit user feedback with regard to the determined intended target resource to which the user's computer was connected; and,

if the user indicates that the determined intended target resource to which the user's computer was connected is the intended target resource of the resource identity

signifier, updating the database information so as to increase a confidence level associated with a mapping between the resource identity signifier and an address of the determined intended target resource to which the user's computer was connected, and, if the user indicates that the determined intended target resource to which the user's computer was connected is not the intended target resource of the resource identity signifier, updating the database information so as to decrease the confidence level associated with the mapping between the resource identity signifier and the address of the determined intended target resource to which the user's computer was connected.

15. (Currently Amended) A system for finding, in response to entry by a user of a user input recognized as a resource identity signifier, a single, intended target resource intended by the user to uniquely correspond to the resource identity signifier, among a plurality of resources available on a network comprising a plurality of interconnected computers, the system comprising:

finder server means having access to: (a) database means for storing database information including an index of the available resources and multi-user feedback gathered from a plurality of users with respect to the results of previous executions of the system; and (b) learning system means for accessing and learning from the database information wherein the learning system means provides distinct weight to the multi-user feedback;

receiving means for receiving a user input;

recognizing means for recognizing the user input as a resource identity signifier, wherein the resource identity signifier is independent of registered elements contained

in a resource locator identifying at least one of a plurality of resources available on the network; [and]

accessing means for accessing, by the finder server responsive to the user input, database information that includes the index of available resources, wherein some of the plurality of resources are identified by resource locators containing registered elements;

learning means for learning a social usage of the resource identity signifier from the multi-user feedback gathered from a plurality of users with respect to previous results by the finder server; and

[accessing] determining means for [accessing the database to determine, based on the database information including the multi-user feedback,] determining which, if any, of the indexed resources is likely to be the intended target resource that uniquely corresponds to the recognized resource identity signifier based on the social usage of the recognized resource identity signifier without regard to identification in the recognized resource identity signifier of registered elements in any resource locator corresponding to the resource.

16. (Canceled)

17. (Previously Presented) A system according to Claim 15, wherein a resource is determined, by the access means, as likely to be the intended target resource if the database information indicates that a confidence level associated with that resource is of at least a predetermined level.

18. (Previously Presented) A system according to Claim 17, further comprising:

presenting means for, if none of the indexed resources has an associated confidence level of at least the predetermined level, presenting the user with a list of one or more links to possible resources, the list being ordered according to confidence level, with a resource having a highest confidence level being ranked highest.

19. (Previously Presented) A system according to Claim 17, further comprising:

means for, in a first user interface element, causing a computer of the user to connect to a URL of an indexed resource having a highest confidence level; and

means for, in a second user interface element, presenting the user with a list of one or more links to possible resources, the list being ordered according to confidence level, with a resource having a highest confidence level being ranked highest

20. (Currently Amended) A system for finding, in response to entry by a user of a user input recognized as a resource identity signifier, a single, intended target resource intended by the user to uniquely correspond to the resource identity signifier, among a plurality of resources available on a network comprising a plurality of interconnected computers, the system comprising:

finder server means having access to: (a) database means for storing database information including an index of the available resources and multi-user feedback

gathered from a plurality of users with respect to the results of previous executions of the system; and (b) learning system means for accessing and learning from the database information;

receiving means for receiving a user input;

recognizing means for recognizing the user input as a resource identity signifier, wherein the resource identity signifier is independent of registered elements contained in a resource locator identifying at least one of a plurality of resources available on the network; [and]

accessing means for accessing, by the finder server responsive to the user input, database information that includes the index of available resources, wherein some of the plurality of resources are identified by resource locators containing registered elements;

learning means for learning a social usage of the resource identity signifier from the multi-user feedback gathered from a plurality of users with respect to previous results by the finder server;

[accessing] determining means for [accessing the database to determine, based on the database information including the multi-user feedback,] determining which, if any, of the indexed resources is likely to be the intended target resource that uniquely corresponds to the recognized resource identity signifier based on the social usage of the recognized resource identity signifier without regard to identification in the recognized resource identity signifier of registered elements in any resource locator corresponding to the resource; wherein a resource is determined, by the [access] determining means, as likely to be the intended target resource if the database

information indicates that a confidence level associated with that resource is of at least a predetermined level;

presenting means for, if none of the indexed resources has an associated confidence level of at least the predetermined level, presenting the user with a list of one or more links to possible resources, the list being ordered according to confidence level, with a resource having a highest confidence level being ranked highest;

selection means for enabling the user to select [selecting] a link from the list of one or more links;

adding means for adding information regarding the selection of the link to the feedback information stored in the database;

soliciting means for soliciting user feedback with regard to the selected link; and

means for, if the user indicates that the selected link is the intended target resource of the resource identity signifier, updating the database information so as to increase the confidence level associated with a mapping between the resource identity signifier and an address of the selected link, and, if the user indicates that the selected link is not the intended target resource of the resource identity signifier, updating the database information so as to decrease the confidence level associated with the mapping between the resource identity signifier and the address of the selected link.

21. (Currently Amended) A system for finding, in response to entry by a user of a user input recognized as a resource identity signifier, a single, intended target resource intended by the user to uniquely correspond to the resource identity signifier,

among a plurality of resources available on a network comprising a plurality of interconnected computers, the system comprising:

finder server means having access to: (a) database means for storing database information including an index of the available resources and multi-user feedback gathered from a plurality of users with respect to the results of previous executions of the system; and (b) learning system means for accessing and learning from the database information;

receiving means for receiving a user input;

recognizing means for recognizing the user input as a resource identity signifier, wherein the resource identity signifier is independent of registered elements contained in a resource locator identifying at least one of a plurality of resources available on the network; [and]

accessing means for accessing, by the finder server responsive to the user input, database information that includes the index of available resources, wherein some of the plurality of resources are identified by resource locators containing registered elements;

learning means for learning a social usage of the resource identity signifier from the multi-user feedback gathered from a plurality of users with respect to previous results by the finder server;

[accessing] determining means for [accessing the database to determine, based on the database information including the multi-user feedback,] determining which, if any, of the indexed resources is likely to be the intended target resource that uniquely corresponds to the recognized resource identity signifier based on the social usage of

the recognized resource identity signifier without regard to identification in the recognized resource identity signifier of registered elements in any resource locator corresponding to the resource;

control means for causing a computer of the user to connect to the determined intended target resource, if any;

soliciting means for soliciting user feedback with regard to the determined intended target resource to which the user' s computer was connected by the control means; and

means for, if the user indicates that the determined intended target resource to which the user' s computer was connected is the intended target resource of the resource identity signifier, updating the database information so as to increase a confidence level associated with a mapping between the resource identity signifier and an address of the determined intended target resource to which the user' s computer was connected, and, if the user indicates that the determined intended target resource to which the user' s computer was connected is not the intended target resource of the resource identity signifier, updating the database information so as to decrease the confidence level associated with the mapping between the resource identity signifier and the address of the determined intended target resource to which the user' s computer was connected.

22. (Currently Amended) A computer-readable storage medium storing code for causing a processor-controlled finder server[, which has access to: (a) a database storing database information including (i) an index of a plurality of resources available

on a network of interconnected computers on which a plurality of resources reside; and
(ii) multi-user feedback gathered from a plurality of users with respect to the results of previous operations of the finder server; and (b) a learning system structured to access and learn from the database information,] to perform a method of finding, in response to entry by the user of a user input recognized as a resource identity signifier, a single, intended target resource intended by the user to uniquely correspond to the resource identity signifier, among the available resources, the method comprising the steps of:

receiving means for receiving a user input;

recognizing means for recognizing the user input as a resource identity signifier, wherein the resource identity signifier is independent of registered elements contained in a resource locator identifying at least one of a plurality of resources available on the network; [and]

accessing means for accessing, by the finder server responsive to the user input, database information that includes the index of available resources, wherein some of the plurality of resources are identified by resource locators containing registered elements;

learning means for learning a social usage of the resource identity signifier from the multi-user feedback gathered from a plurality of users with respect to previous results by the finder server; and

[accessing] determining means for [accessing the database to determine, based on the database information including the multi-user feedback,] determining which, if any, of the indexed resources is likely to be the intended target resource that uniquely corresponds to the recognized resource identity signifier based on the social usage of

the recognized resource identity signifier without regard to identification in the
recognized resource identity signifier of registered elements in any resource locator
corresponding to the resource]; and

learning from the database information via the learning system wherein the
learning provides distinct weight to the multi-user feedback].

23. (Canceled)

24. (Previously Presented) A computer-readable medium according to Claim
22, wherein a resource is determined, in the accessing step, as likely to be the intended
target resource if the database information indicates that a confidence level associated
with that resource is of at least a predetermined level.

25. (Previously Presented) A computer-readable medium according to Claim
24, wherein, if none of the indexed resources has an associated confidence level of at
least the predetermined level, the method further comprises the step of:

presenting the user with a list of one or more links to possible resources, the list
being ordered according to confidence level, with a resource having a highest
confidence level being ranked highest.

26. (Previously Presented) A computer-readable medium according to Claim
24, wherein the method further comprises the steps of:

in a first user interface element:

causing a computer of the user to connect to a URL of an indexed resource having a highest confidence level; and

in a second user interface element:

presenting the user with a list of one or more links to possible resources, the list being ordered according to confidence level, with a resource having a highest confidence level being ranked highest.

27. (Currently Amended) A computer-readable storage medium storing code for causing a processor-controlled finder server[, which has access to: (a) a database storing database information including (i) an index of a plurality of resources available on a network of interconnected computers on which a plurality of resources reside; and (ii) multi-user feedback gathered from a plurality of users with respect to the results of previous operations of the finder server; and (b) a learning system structured to access and learn from the database information,] to perform a method of finding, in response to entry by the user of a user input recognized as a resource identity signifier, a single, intended target resource intended by the user to uniquely correspond to the resource identity signifier, among the available resources, the method comprising the steps of:

receiving a user input;

recognizing the user input as a resource identity signifier, wherein the resource identity signifier is independent of registered elements contained in a resource locator identifying at least one of a plurality of resources available on the network;

accessing, by the finder server responsive to the user input, database information that includes the index of available resources on a network, wherein some

of the plurality of resources are identified by resource locators containing registered elements;

learning a social usage of the resource identity signifier from multi-user feedback gathered from a plurality of users with respect to previous results by the finder server;

[accessing the database to determine, based on the database information including the multi-user feedback,] determining which, if any, of the indexed resources is likely to be the intended target resource that uniquely corresponds to the recognized resource identity signifier based on the social usage of the recognized resource identity signifier without regard to identification in the recognized resource identity signifier of registered elements in any resource locator corresponding to the resource, wherein a resource is determined, in the accessing step, as likely to be the intended target resource if the database information indicates that a confidence level associated with that resource is of at least a predetermined level, and wherein, if none of the indexed resources has an associated confidence level of at least the predetermined level, presenting the user with a list of one or more links to possible resources, the list being ordered according to confidence level, with a resource having a highest confidence level being ranked highest;

enabling the user to select [selecting] a link from the list of one or more links;
adding information regarding the selection of the link to the feedback information stored in the database;

soliciting user feedback with regard to the selected link; and,

if the user indicates that the selected link is the intended target resource of the resource identity signifier, updating the database information so as to increase the

confidence level associated with a mapping between the resource identity signifier and an address of the selected link, and, if the user indicates that the selected link is not the intended target resource of the resource identity signifier, updating the database information so as to decrease the confidence level associated with the mapping between the resource identity signifier and the address of the selected link.

28. (Currently Amended) A computer-readable storage medium storing code for causing a processor-controlled finder server[, which has access to: (a) a database storing database information including (i) an index of a plurality of resources available on a network of interconnected computers on which a plurality of resources reside; and (ii) multi-user feedback gathered from a plurality of users with respect to the results of previous operations of the finder server; and (b) a learning system structured to access and learn from the database information,] to perform a method of finding, in response to entry by the user of a user input recognized as a resource identity signifier, a single, intended target resource intended by the user to uniquely correspond to the resource identity signifier, among the available resources, the method comprising the steps of:

receiving a user input;

recognizing the user input as a resource identity signifier, wherein the resource identity signifier is independent of registered elements contained in a resource locator identifying at least one of a plurality of resources available on the network;

accessing, by the finder server responsive to the user input, database information that includes the index of available resources on a network, wherein some

of the plurality of resources are identified by resource locators containing registered elements;

learning a social usage of the resource identity signifier from multi-user feedback gathered from a plurality of users with respect to previous results by the finder server;

[accessing the database to determine, based on the database information including the multi-user feedback,] determining which, if any, of the indexed resources is likely to be the intended target resource that uniquely corresponds to the recognized resource identity signifier based on the social usage of the recognized resource identity signifier without regard to identification in the recognized resource identity signifier of registered elements in any resource locator corresponding to the resource;

causing a computer of the user to connect to the determined intended target resource, if any;

soliciting user feedback with regard to the determined intended target resource to which the user's computer was connected; and,

if the user indicates that the determined intended target resource to which the user's computer was connected is the intended target resource of the resource identity signifier, updating the database information so as to increase a confidence level associated with a mapping between the resource identity signifier and an address of the determined intended target resource to which the user's computer was connected, and, if the user indicates that the determined intended target resource to which the user's computer was connected is not the intended target resource of the resource identity signifier, updating the database information so as to decrease the confidence level

associated with the mapping between the resource identity signifier and the address of the determined intended target resource to which the user's computer was connected.

29. (Currently Amended) A system for finding resources on a network of interconnected computers on which a plurality of resources reside, the system comprising:

a client terminal operated by a user, the client terminal allowing the user to connect to resources located on the network; and

a finder server having access to:

(a) a database storing database information including: (i) an index of a plurality of resources available on the network; and (ii) multi-user feedback gathered from a plurality of users with respect to the results of previous operations of the system; and

(b) a learning system operable to access and learn from the database information,

wherein the finder server is operable to locate, in response to entry by the user of a user input recognized as a resource identity signifier, a single, intended target resource intended by the user to uniquely correspond to the resource identity signifier, among the available resources by:

receiving a user input;

recognizing the user input as a resource identity signifier, wherein the resource identity signifier is independent of registered elements contained in a resource locator identifying at least one of a plurality of resources available on the network;

accessing, by the finder server responsive to the user input, database information that includes the index of available resources on a network, wherein some of the plurality of resources are identified by resource locators containing registered elements;

learning a social usage of the resource identity signifier from multi-user feedback gathered from a plurality of users with respect to previous results by the finder server;

[accessing the database to determine, based on the database information including the multi-user feedback,] determining which, if any, of the indexed resources is likely to be the intended target resource that uniquely corresponds to the recognized resource identity signifier based on the social usage of the recognized resource identity signifier without regard to identification in the recognized resource identity signifier of registered elements in any resource locator corresponding to the resource; and

[learning from the database information via the learning system wherein the learning provides distinct weight to the multi-user feedback; and]

directing a computer of the user so as to cause that computer to connect the user to an address of a resource, if any, determined as likely to be the intended target resource.

30. (Currently Amended) A method of identifying, in response to entry by a user of a user input recognized as an object identity signifier, a single, intended object to be acted upon, wherein the single, intended object to be acted upon is intended by the user to uniquely correspond to the object identity signifier, among a plurality of possible objects[, wherein the method utilizes a computer having access to: (a) a

database storing database information including (i) an index of the possible objects; and (ii) multi-user feedback gathered from a plurality of users with respect to the results of previous executions of the method; and (b) a learning system structured to access and learn from the database information, and] wherein the method comprises the steps of:

receiving a user input;

recognizing the user input as a resource identity signifier, wherein the resource identity signifier is independent of registered elements contained in a resource locator identifying at least one of a plurality of resources available on the network;

accessing, by the finder server responsive to the user input, database information includes the index of available resources on a network, wherein some of the plurality of resources are identified by resource locators containing registered elements;

learning a social usage of the resource identity signifier from multi-user feedback gathered from a plurality of users with respect to previous results by the finder server;
and

[accessing the database to determine, based on the database information including the multi-user feedback,] determining which, if any, of the indexed resources is likely to be the intended target resource that uniquely corresponds to the recognized resource identity signifier based on the social usage of the recognized resource identity signifier without regard to identification in the recognized resource identity signifier of registered elements in any resource locator corresponding to the resource];

learning from the database information via the learning system wherein the learning provides distinct weight to the multi-user feedback].

31. (Currently Amended) An apparatus for identifying, in response to entry by a user of a user input recognized as an object identity signifier, a single, intended object to be acted upon, wherein the single, intended object to be acted upon is intended by the user to uniquely correspond to the object identity signifier, among a plurality of possible objects, the apparatus comprising:

a computer having access to:

(a) a database storing database information including (i) an index of the possible objects; and (ii) multi-user feedback gathered from a plurality of users with respect to the results of previous operations of the apparatus; and

(b) a learning system structured to access and learn from the database information,

wherein the apparatus is operable to:

receiving a user input;

recognizing the user input as a resource identity signifier, wherein the resource identity signifier is independent of registered elements contained in a resource locator identifying at least one of a plurality of resources available on the network;

accessing, by the finder server responsive to the user input, database information that includes the index of available resources on a network, wherein some of the plurality of resources are identified by resource locators containing registered elements;

learning a social usage of the resource identity signifier from multi-user feedback gathered from a plurality of users with respect to previous results by the finder server;
and

[accessing the database to determine, based on the database information including the multi-user feedback,] determining which, if any, of the indexed resources is likely to be the intended target resource that uniquely corresponds to the recognized resource identity signifier based on the social usage of the recognized resource identity signifier without regard to identification in the recognized resource identity signifier of registered elements in any resource locator corresponding to the resource;

learning from the database information via the learning system wherein the learning provides distinct weight to the multi-user feedback].

32. (Currently Amended) A method of finding a single, intended target resource among a plurality of resources available on a network, the method comprising the steps of:

obtaining a user input;

accessing an index of available resources on a network, wherein some of the plurality of resources are identified by resource locators containing registered elements;

recognizing the user input as a resource identity signifier, wherein the resource identity signifier is independent of registered elements contained in a resource locator
identifying at least one of a plurality of resources available on the network; and

utilizing feedback information stored in a database to determine a resource likely to be the single, intended target resource that uniquely corresponds to the recognized resource identity signifier based on the social usage of the recognized resource identity signifier without regard to identification in the recognized resource identity signifier of registered elements in any resource locator corresponding to the resource; and

learning from the database information wherein the learning provides distinct weight to the feedback information].

33. (Previously Presented) A method according to Claim 32, wherein the feedback information is gathered from a plurality of previous users of the method.

34. (Previously Presented) A method according to Claim 32, further comprising the step of obtaining feedback from the user regarding the resource determined in the utilizing step.

35. (Previously Presented) A method according to Claim 34, wherein the feedback information stored in the database is updated with the feedback obtained from the user.

36. (Currently Amended) An apparatus for finding a single, intended target resource among a plurality of resources available on a network, the apparatus comprising:

input means for enabling a user to enter a user input;

recognizing means for recognizing the user input as a resource identity signifier, wherein the resource identity signifier is independent of registered elements contained in a resource locator identifying at least one of a plurality of resources available on the network;

means for accessing an index of available resources on a network, wherein some of the plurality of resources are identified by resource locators containing registered elements; and

determination means for using feedback information stored in a database to determine a resource likely to be the single, intended target resource that uniquely corresponds to the recognized resource identity signifier based on the social usage of the recognized resource identity signifier without regard to identification in the recognized resource identity signifier of registered elements in any resource locator corresponding to the resource[; and

learning means for learning from the database information, wherein the learning provides distinct weight to the feedback information].

37. (Previously Presented) An apparatus according to Claim 36, wherein the feedback information is gathered from a plurality of previous users of the method.

38. (Previously Presented) An apparatus according to Claim 36, further comprising update means for updating the feedback information stored in the database with feedback obtained from the user regarding the resource determined by the determination means.

39. (Currently Amended) A computer-readable storage medium storing a program for implementing a method of finding a single, intended target resource among a plurality of resources available on a network, the method comprising the steps of:

prompting a user to enter a user input;

recognizing the user input as a resource identity signifier, wherein the resource identity signifier is independent of registered elements contained in a resource locator

identifying at least one of a plurality of resources available on the network; and

accessing an index of available resources on a network, wherein some of the plurality of resources are identified by resource locators containing registered elements;

utilizing feedback information stored in a database to determine a resource likely to be the single, intended target resource that uniquely corresponds to the recognized resource identity signifier based on the social usage of the recognized resource identity

signifier without regard to identification in the recognized resource identity signifier of registered elements in any resource locator corresponding to the resource]; and

learning from the database information wherein the learning provides distinct weight to the feedback information].

40. (Previously Presented) A computer-readable medium according to Claim 39, wherein the feedback information is gathered from a plurality of previous users of the method.

41. (Previously Presented) A computer-readable medium according to Claim 39, wherein the method further comprises the step of obtaining feedback from the user regarding the resource determined in the utilizing step.

42. (Previously Presented) A computer-readable medium according to Claim 41, wherein the feedback information stored in the database is updated with the feedback obtained from the user.

43. (Previously Presented) A method according to Claim 1, further comprising the step of causing a computer of the user to connect to the determined intended target resource, if any.

44. (Previously Presented) A method according to Claim 1, further comprising the step of causing a computer of the user to display the determined intended target resource, if any.

45. (Previously Presented) An apparatus according to Claim 8, wherein the finder server is further operable to cause a computer of the user to connect to the determined intended target resource, if any.

46. (Previously Presented) An apparatus according to Claim 8, wherein the finder server is further operable to cause a computer of the user to display the determined intended target resource, if any.

47. (Previously Presented) A system according to Claim 15, further comprising control means for causing a computer of the user to connect to the determined intended target resource, if any.

48. (Previously Presented) A system according to Claim 15, further comprising control means for causing a computer of the user to display the determined intended target resource, if any.

49. (Previously Presented) A computer-readable medium according to Claim 22, wherein the method further comprises the step of causing a computer of the user to connect to the determined intended target resource, if any.

50. (Previously Presented) A computer-readable medium according to Claim 22, wherein the method further comprises the step of causing a computer of the user to display the determined intended target resource, if any.

51. (Currently Amended) A method of finding a single, intended target resource among a plurality of resources available on the Internet, the method comprising the steps of:

obtaining a user input;

recognizing the user input as a resource identity signifier, wherein the resource identity signifier is independent of registered elements contained in a resource locator
identifying at least one of a plurality of resources available on the network; and

accessing an index of available resources on a network, wherein some of the plurality of resources are identified by resource locators containing registered elements;

utilizing feedback information stored in a database to determine a resource likely to be the single, intended target resource that uniquely corresponds to the recognized resource identity signifier based on the social usage of the recognized resource identity signifier without regard to identification in the recognized resource identity signifier of registered elements in any resource locator corresponding to the resource, the feedback information relating to a result of the method[]; and

learning from the database information wherein the learning provides distinct weight to the feedback information].

52. (Previously Presented) A method according to Claim 51, wherein the multi-user feedback information is obtained from the result of a system inquiry of a user.

53. (Previously Presented) A method according to Claim 51, wherein the multi-user feedback information is obtained from clickstream data.

54. (Currently Amended) An apparatus for finding a single, intended target resource among a plurality of resources available on the Internet, the apparatus comprising:

input means for enabling a user to enter a user input;

recognizing means for recognizing the user input as a resource identity signifier, wherein the resource identity signifier is independent of registered elements contained in a resource locator identifying at least one of a plurality of resources available on the network; and

means for accessing an index of available resources on a network, wherein some of the plurality of resources are identified by resource locators containing registered elements;

determination means for using multi-user feedback information stored in a database, to determine a resource likely to be the single, intended target resource that uniquely corresponds to the recognized resource identity signifier based on the social usage of the recognized resource identity signifier without regard to identification in the recognized resource identity signifier of registered elements in any resource locator

corresponding to the resource, the feedback information relating to a result of the operation of the apparatus[; and

learning means for learning from the database information wherein the learning provides distinct weight to the feedback information].

55. (Previously Presented) An apparatus according to Claim 54, wherein the multi-user feedback information is obtained from a result of a system inquiry of a user.

56. (Previously Presented) An apparatus according to Claim 54, wherein the multi-user feedback information is obtained from clickstream data.

57. (Currently Amended) A computer-readable storage medium storing a program for implementing a method of finding a single, intended target resource among a plurality of resources available on the Internet, the method comprising the steps of:

prompting a user to enter a user input;

recognizing the user input as a resource identity signifier, wherein the resource identity signifier is independent of registered elements contained in a resource locator

identifying at least one of a plurality of resources available on the network; and

accessing an index of available resources on a network, wherein some of the plurality of resources are identified by resource locators containing registered elements;

utilizing multi-user feedback information stored in a database, to determine a resource likely to be the single, intended target resource that uniquely corresponds to the recognized resource identity signifier based on a social usage of the recognized

resource identity signifier without regard to identification in the recognized resource identity signifier of registered elements in any resource locator corresponding to the resource, the feedback information relating to a result of the method[; and

learning from the database information wherein the learning provides distinct weight to the feedback information].

58. (Previously Presented) A medium according to Claim 57, wherein the multi-user feedback information is obtained from a result of a system inquiry of a user.

59. (Previously Presented) A medium according to Claim 57, wherein the multi-user feedback information is obtained from clickstream data.

60. (Currently Amended) A method of finding a single, intended target resource among a plurality of resources available on the Internet, the method comprising the steps of:

obtaining a user input;

recognizing the user input as a resource identity signifier, wherein the resource identity signifier does not include a URL or portion thereof; and

utilizing multi-user feedback information stored in a database to determine a social usage of the recognized resource identity signifier and determine a resource likely to be the single, intended target resource that uniquely corresponds to the recognized resource identity signifier based on a social usage of the recognized resource identity signifier.

61. (Currently Amended) An apparatus for finding a single, intended target resource among a plurality of resources available on the Internet, the apparatus comprising:

input means for enabling a user to enter a user input;

recognizing means for recognizing the user input as a resource identity signifier, wherein the resource identity signifier does not include a URL or portion thereof; and

determination means for using multi-user feedback information stored in a database to determine a social usage of the recognized resource identity signifier and determine a resource likely to be the single, intended target resource that uniquely corresponds to the recognized resource identity signifier based on a social usage of the recognized resource identity signifier.

62. (Currently Amended) A computer-readable storage medium storing a program for implementing a method of finding a single, intended target resource among a plurality of resources available on the Internet, the method comprising the steps of:

obtaining a user input;

recognizing the user input as a resource identity signifier, wherein the resource identity signifier does not include a URL or portion thereof; and

utilizing multi-user feedback information stored in a database to determine a social usage of the recognized resource identity signifier and determine a resource likely to be the single, intended target resource that uniquely corresponds to the

recognized resource identity signifier based on a social usage of the recognized
resource identity signifier.